



Quiz Time

Histology 1

Corrected by: Sadeen AlZomat

Histology 1

1. What is the primary focus of histology?

- A) Study of disease processes
- B) Examination of normal cell and tissue structures
- C) Analysis of genetic mutations
- D) Investigation of ecological systems

Answer: B

2. Why is microscopy essential in histology?

- A) To observe large anatomical structures
- B) To visualize the small size of cells and matrix components
- C) To study planetary movements
- D) To analyze psychological behaviors

Answer: B

3. Which of the following is NOT a membranous organelle?

- A) Mitochondria
- B) Golgi apparatus
- C) Ribosomes
- D) Lysosomes

Answer: C

4. What are the main components of the extracellular matrix (ECM)?

- A) Cells and organelles
- B) Macromolecules
- C) DNA and RNA
- D) Lipids and carbohydrates

Answer: B

5. Which staining technique is commonly used as a routine stain in histology?

- A) Gram stain
- B) Haematoxylin and eosin (H & E)
- C) Wright-Giemsa stain
- D) Ziehl-Neelsen stain

Answer: B

6. What is the magnification capability of a light microscope?

- A) Up to 100x
- B) Up to 500x
- C) Up to 1000x
- D) Up to 400,000x

Answer: C

7. Which type of electron microscope provides detailed images of the cell's surface?

- A) Transmission Electron Microscope (TEM)
- B) Scanning Electron Microscope (SEM)
- C) Compound Light Microscope
- D) Fluorescence Microscope

Answer: B

8. What is the structural and functional unit of an organism?

- A) Tissue
- B) Organ
- C) Cell
- D) System

Answer: C

9. Which of the following is a component of the cytoskeleton?

- A) Mitochondria
- B) Golgi apparatus
- C) Microfilaments
- D) Lysosomes

Answer: C

10. Why is it essential to study histology?

- A) To understand the normal structure and function of tissues and organs
- B) To diagnose psychological disorders
- C) To study planetary systems
- D) To analyze economic trends

Answer: A